

REMARKS

The present application was filed on September 17, 1999 with claims 1 through 22. Claims 1 through 22 are presently pending in the above-identified patent application.

In the Office Action, the Examiner rejected claims 1-22 under 35 U.S.C. §102(e) as  
 5 being anticipated by Sayeed (United States Patent Number 6,594,320 B1).

Independent Claims 1, 7, 13 and 18

Independent claims 1, 7, 13, and 18 were rejected under 35 U.S.C. §102(e) as being anticipated by Sayeed. Regarding claims 1 and 7, the Examiner asserts that Sayeed discloses storing said differentially encoded symbols and one or more pilot tones to produce an analog signal centered  
 10 at a desired carrier frequency (FIGS. 4A-C; col. 4, lines 36-60).

Contrary to the Examiner's assertion, Applicants note that Sayeed does *not* address the issue of *storing pilot tones*. For example, FIG. 4A does not indicate the existence of pilot tones, which a person of ordinary skill in the art would expect to be indicated at the start of the 1<sup>st</sup> set of Na/2 sub-carriers 410 and at the start of the 2<sup>nd</sup> set of Na/2 sub-carriers 430. In addition, Applicants  
 15 could find no disclosure or suggestion of *pilot tones* or of *storing pilot tones* in the text cited by the Examiner. Independent claims 1, 7, 13, and 18 require storing said differentially encoded symbols and *one or more pilot tones* to produce an analog signal centered at a desired carrier frequency.

Thus, Sayeed does not disclose or suggest storing said differentially encoded symbols and one or more pilot tones to produce an analog signal centered at a desired carrier frequency, as  
 20 required by independent claims 1, 7, 13, and 18.

Dependent Claims 2-6, 8-12, 14-17, and 19-22

Dependent claims 2-6, 8-12, 14-17, and 19-22 were rejected under 35 U.S.C. §102(e) as being anticipated by Sayeed.

Claims 2-6, 8-12, 14-17, and 19-22 are dependent on claims 1, 7, 13, and 18, and are  
 25 therefore patentably distinguished over Sayeed because of their dependency from independent claims 1, 7, 13, and 18 for the reasons set forth above, as well as other elements these claims add in combination to their base claim.

All of the pending claims, i.e., claims 1 through 22, are in condition for allowance

and such favorable action is earnestly solicited.

If any outstanding issues remain, or if the Examiner has any further suggestions for expediting allowance of this application, the Examiner is invited to contact the undersigned at the telephone number indicated below.

5                   The Examiner's attention to this matter is appreciated.

Respectfully submitted,



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